

# KLAU PPK

*direct georeferencing* system

precision surveying with drones

centimeter accuracy  
**without**  
ground control points

KLAU Geomatics revolutionized  
precision drone data collection



## SAVE TIME AND MONEY - INCREASE ACCURACY AND EFFICIENCY

## PREMIUM UAV PPK GEOREFERENCING SYSTEM



# KLAUPPK COMPLETE SYSTEMS - READY TO FLY - START YOUR PROJECT



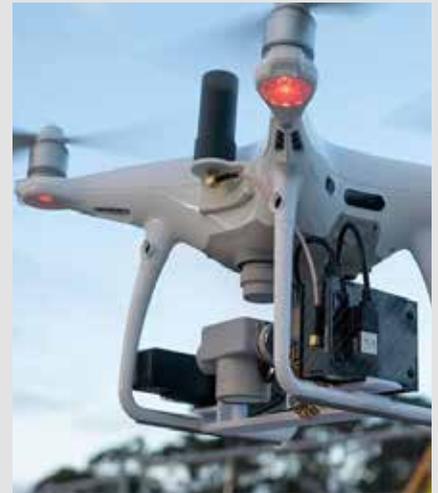
## DJI-M210 PPK

Camera options: Zenmuse X4s, X7,  
Coming soon: Sony RX1RII



## DJI-INSPIRE2 PPK

Camera options: Zenmuse X4s, X7,  
Coming soon: Sony RX1RII



## DJI-PHANTOM 4 PRO PPK

incl. modified 20 MP Camera



## KLAUPPK Flexibility

### Many UAVs, Many Cameras



Compatible with a variety of UAVs and cameras, best suited for DJI, the **KLAUPPK** system enables you to fly your mission as you do now, but achieve far better results.

Save time and money while increasing accuracy and efficiency!



## KLAUPPK Accuracy

### Survey Grade Accuracy for Your Mapping and Inspection Projects



Accurate, absolute 3D data capture on your UAV

Sophisticated software and camera calibration methodology enable you to capture the best possible camera positioning data for repeatable and reliable mapping.

Easy in operation!

## KLAUPPK-KITs: Turn your drone into a precise mapping machine

Everything you need for your DJI or Intel drone to capture high precise (3cm) data and produce mapping of the highest possible accuracy.

### Kit includes:

- 👉 **KLAUPPK** system with antenna and power supply (system connects to a 5V USB Powerbank)
- 👉 Mounting kit for the selected UAV-model
- 👉 Modified and calibrated DJI Zenmuse X4s or X7 camera (only if compatible with UAV), Sony RX1RII (coming soon)
- 👉 **KLAUPPK** software
- 👉 Regional support to get you up and running with installation, operations, PPK data processing
- 👉 500 US\$ Credit on to try  processing on the cloud



### KLAUPPK Kits available for:

- 👉 DJI INSPIRE 2
- 👉 DJI Matrice M200/210/210RTK
- 👉 DJI Matrice M600 (A3)
- 👉 Intel Falcon F8
- 👉 Manufacturer independent UAV with camera hot shoe

# ADVANTAGES AT A GLANCE

## Superior Technology For Your Business!



Ready to FLY PPK Drones

A complete enabled **KLAUPPK** drone, out of the box, ready to fly. Klau hardware installed, with a modified DJI X4s or X7 Camera, PPK processing software and premium technical support. Collect accurate data to be processed with your current desktop photogrammetry software or upload to the cloud for the 4Dmapper  processing and delivery solution.



### Efficiency

no need to place ground control points across your project



### Workflow

advanced ppk post-processing and geotagging software



### Accuracy

survey grade accuracy for your mapping and inspection projects



### Affordable

best investment / performance ratio



### Flexibility and Profitability

save time and money while increasing accuracy and efficiency



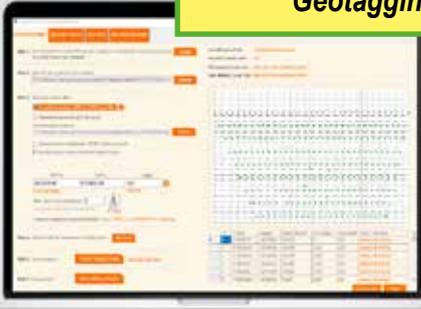
### Processing Option

4Dmapper cloud photogrammetry processing solution



## KLAUPPK Software

### Advanced PPK Post-Processing and Geotagging Software



Post process your GNSS data in any global or local site coordinate system using your own base station, VRS or CORS network.

Camera positions are computed with the most precise event timing and with perfect 3D lever arm correction to manage aircraft tilts.



## KLAUPPK Processing

### 4Dmapper Cloud Photogrammetry Processing Solution



Optional fully automated end-to-end cloud photogrammetry data-management package.

Access Autodesk ReCap photogrammetry software and  data management, visualization and collaboration, leveraging the power of the cloud.

Utilize our **KLAUPPK** enterprise server solutions, custom tailored to best serve your business needs!





**K**LAU Geomatics, an innovative Australian technology company produces the world's most accurate and sophisticated PPK geopositioning solution, compatible with most drones. Without the need for ground control points, the system offers high precision, reliable, repeatable and accurate mapping, inspection and surveying - three centimeters X/Y/Z in your final product!

**T**he uptake of drone technology in construction, mining, development planning and inspection has put photogrammetry in front and in the center as the required skill set for the industry. There seems to be a significant gap in knowledge and experience, that we at **VIDEOGRAPHICS** Ingenieurgesellschaft mbH intent to fill by establishing ourselves as the industry's leading support source for geospatial professionals entering the area of **KLAU PPK** drone surveying.

## Customers and Partners



HCU | HafenCity Universität Hamburg



Maschinenring



GENDORF CHEMIEPARK



## COPTER-SURVEY GROUP

"TOGETHER WE ARE STRONG"

The Copter-Survey-Group is a liaison of specialists to bring unprecedented value to customers, utilizing our competences:  
Training and Education - Marketing and Sales - Technical Background and Expertise in Precise UAV PPK Surveying

**Ralf Jansen** Dipl.-Kfm.

*Training and Sales  
UAV Service Provider*



Drohnen-Schulungen-Deutschland  
Flensburg

**Jörg Alves**

*UAV Service Broker*



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**Stefan Warislohner** Dipl.-Ing. ( FH)

*Training and Sales  
UAV Service Provider*



**KLAU PPK** Tech.-Consultant for EU

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